

## DS-7700NXI-I4/16P/S AcuSense Series NVR

### Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch perimeter protection
- Up to 1-ch facial recognition for video stream, or up to 4-ch facial recognition for face picture
- Up to 16/32-ch IP camera inputs
- Up to 16-ch 1080p decoding capability
- Up to 160/256 Mbps incoming bandwidth



### Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible to third-party network cameras

### HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

### Storage and Playback

- Up to 4 SATA interfaces for HDD connection
- 6-ch synchronous playback at up to 1080p resolution

### Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- POS information overlay on live view and playback
- POS triggered recording and alarm



## Network & Ethernet Access

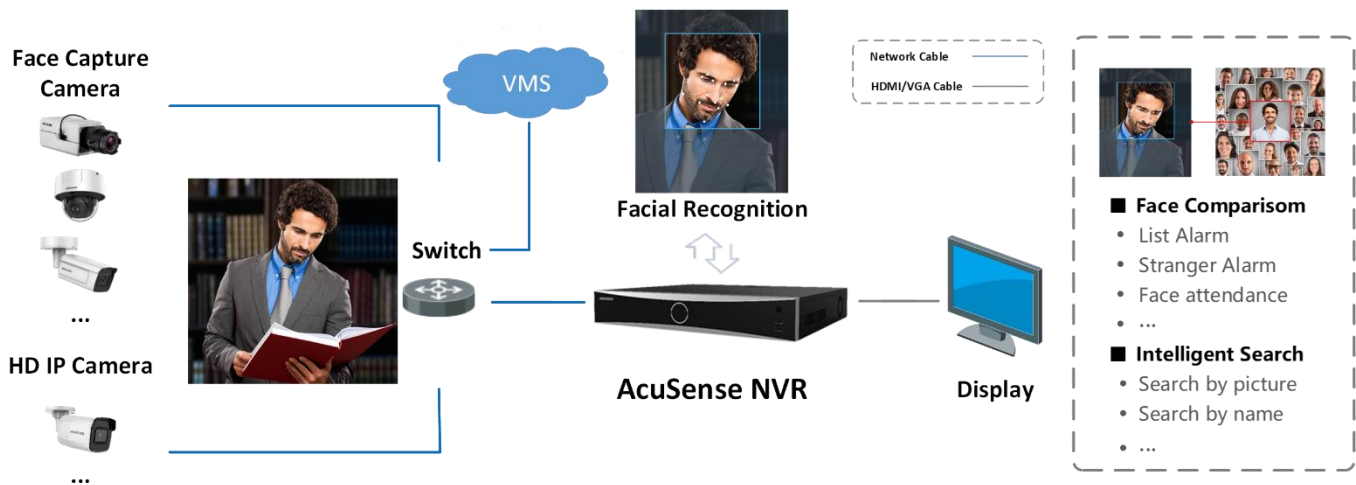
- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interface
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

## Typical Application

### Facial Recognition and Face Picture Comparison

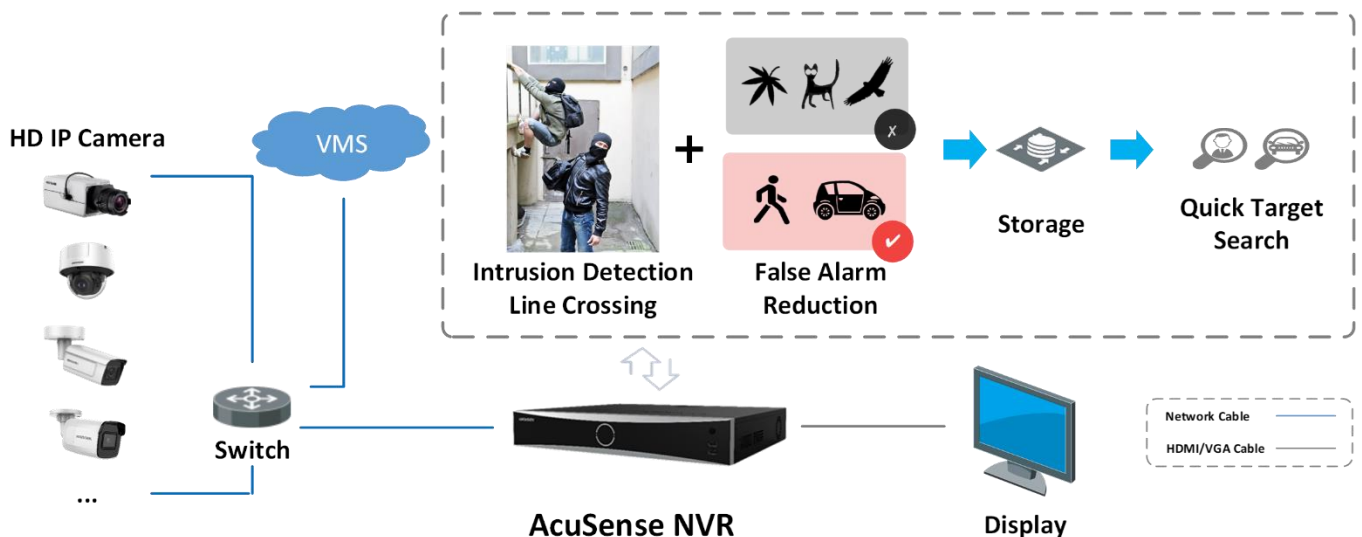
Modeling and analyzing face pictures captured by cameras. Realize blacklist alarm and stranger alarm via face picture library.

Search target people by picture and name features.



### Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.



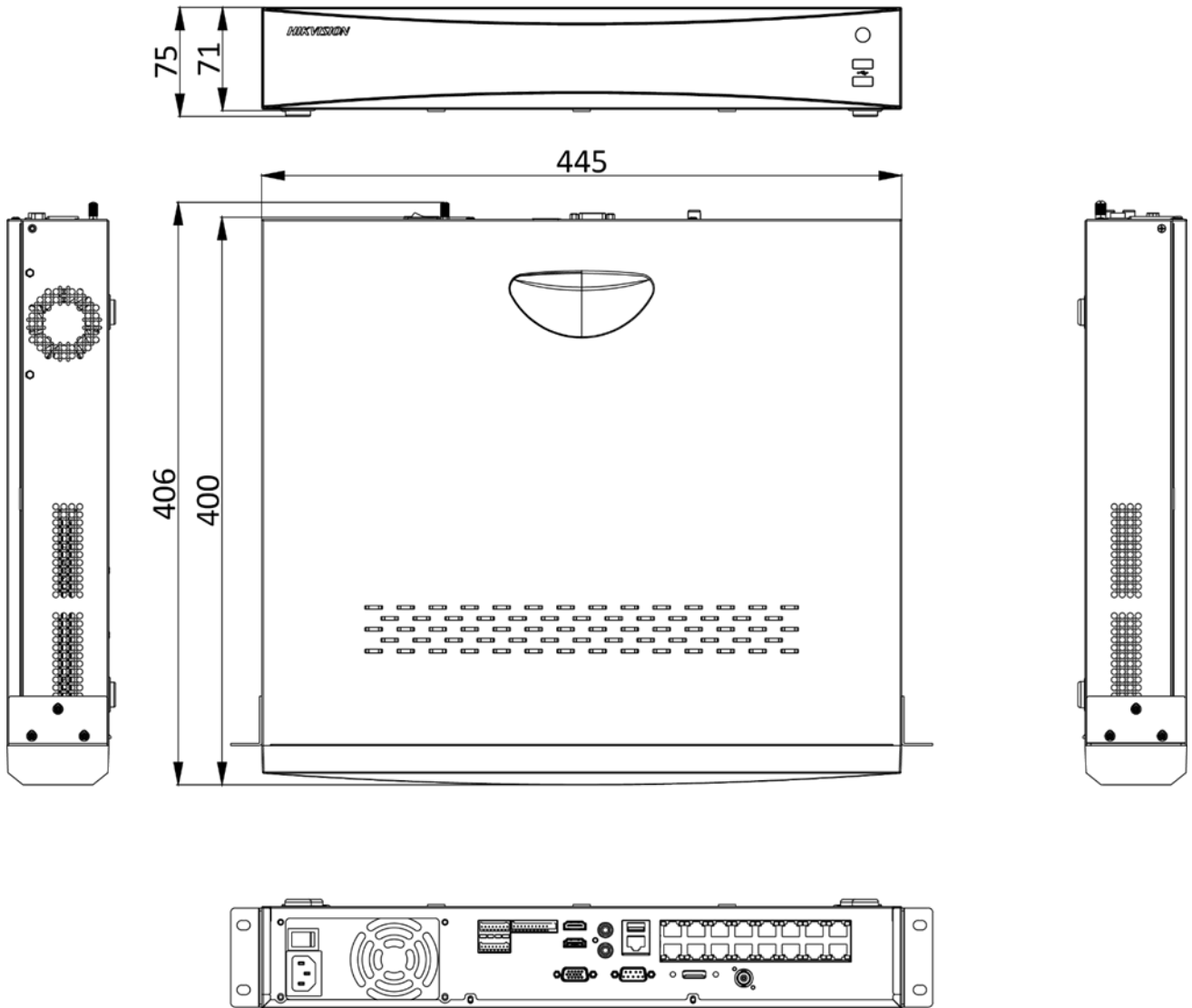
## Specification

Model	DS-7716NXI-I4/16P/S	DS-7732NXI-I4/16P/S
<b>Facial Recognition<sup>1</sup></b>		
Facial detection and analytics	Face picture comparison, human face capture, face picture search	
Face picture library	Up to 16 face picture libraries, with up to 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150 MB)	
Face picture comparison	4-ch face picture comparison alarm	
Performance of facial detection and analytics	1-ch human face capture (HD network camera, up to 4 MP, H.264/H.265)	
<b>Perimeter Protection<sup>1</sup></b>		
False alarm reduction	Up to 4-ch 4 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm	
<b>Video and Audio</b>		
IP video input	16-ch	32-ch
	Up to 12 MP resolution	
Incoming bandwidth	160 Mbps	256 Mbps
Outgoing bandwidth	256 Mbps	256 Mbps
HDMI1 output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output	
HDMI2 output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output	
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output	
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
Audio output	1-ch, RCA (Linear, 1 KΩ)	
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
<b>Decoding</b>		
Decoding format	H.265+/H.265/H.264+/H.264/MPEG4	
Recording resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	
Playback mode	Normal/Smart, Event, Tag, Eternal File	
Synchronous playback	16-ch	
Live view window division	1/2/4/6/8/9/16	1/2/4/6/8/9/16/25/32/36
Aux port window division	1/2/4/6/8/9/16	1/2/4/6/8/9/16/25/32/36
Capability	16-ch @ 1080p (30 fps)	
Dual stream recording	Support	
Stream type	Video, Video & Audio	
Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2	
<b>Network</b>		
Remote connections	128	
Network protocol	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS	

<b>Network interface</b>	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
<b>Interoperability</b>	Profile S client
<b>PoE</b>	
<b>Interface</b>	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
<b>Power</b>	≤ 200W
<b>Supported standard</b>	IEEE 802.3 af/at
<b>Auxiliary interface</b>	
<b>Serial port</b>	RS-485 (half-duplex), RS-232, Keyboard
<b>SATA</b>	4 SATA interfaces supporting hot-plug
<b>Capacity</b>	Up to 6 TB capacity for each disk
<b>eSATA</b>	1 eSATA interface
<b>Alarm in/out</b>	16/4
<b>USB interface</b>	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
<b>General</b>	
<b>Power supply</b>	100 to 240 VAC, 50 to 60 Hz
<b>Total power</b>	≤ 360 W
<b>Consumption (without HDD)</b>	≤ 30 W
<b>Working temperature</b>	-10 °C to 55 °C (14 °F to 131 °F)
<b>Working humidity</b>	10% to 90%
<b>Chassis</b>	19-inch rack-mounted 1.5U chassis
<b>Dimension (W × D × H)</b>	445 × 400 × 75 mm ( 17.5" × 15.7" × 3.0")
<b>Weight (without HDD)</b>	≤ 7 kg (15.4 lb)
<b>Certification</b>	
<b>FCC</b>	Part 15 Subpart B, ANSI C63.4-2014
<b>CE</b>	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

1: Facial recognition and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

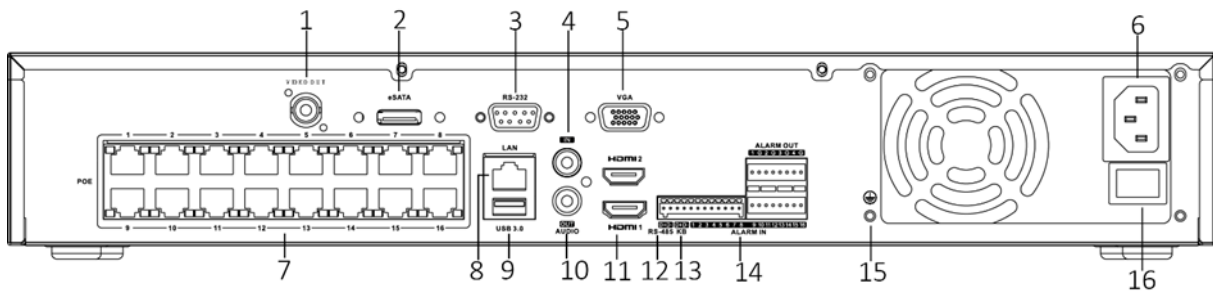
# Dimension



scale/1:1;Unit/mm

Unit: mm

## Physical Interface



No.	Description	No.	Description
1	Video output	9	USB 3.0 interface
2	eSATA interface	10	Audio output
3	RS-232 serial interface	11	HDMI output
4	Audio input	12	RS-485 serial interface
5	VGA output	13	Keyboard interface
6	100 to 240 VAC power supply	14	Controller Port, Alarm In/Alarm Out
7	PoE interfaces	15	GND
8	Network interface	16	Power Switch

## Available Model

DS-7716NXI-I4/16P/S, DS-7732NXI-I4/16P/S

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